

QMS 3225 Print System



The QMS 3225 Departmental Print System

The QMS® 3225 Print System is a high performance network printer that can meet or exceed your critical resource demands. It features a soft-loadable upgrade capability. It supports average monthly volumes of 200,000 prints, while QMS Crown® technology enables sustained operation at the rated 32 ppm print speed and capacity for up to 100 users.

Crown also offers the ability to simultaneously accept and interpret multiple languages through all four ports to keep data flowing in multiplatform environments, without wait.

In addition, context switching retains emulation specific configurations and fonts to eliminate retransmitting data and resulting network bottlenecks. With large user-configurable input buffers, a 33 MHz RISC processor and optional direct connectivity to Ethernet® and Token-Ring networks in a choice of protocols, it keeps pace with the demands of a high-speed, high-usage environment.

The QMS 3225 Print System. The ultimate long-term solution to high volume printing and diverse document handling needs.



Printers for Professionals.

QMS® 3225 Print System Specifications

Features and Benefits

- ◆ The QMS 3225 offers the functionality of both PostScript™ Level 1 and Level 2.
- ◆ RISC-based controller and QMS compile-ahead technology provide fast throughput in complex network environments.
- ◆ HP PCL® Level 5 (including GL/2) emulation standard.
- ◆ Line printer emulation allows ASCII data to be printed with attributes of 66 lines per page, 132 characters per line.
- ◆ Job accounting function is available for UNIX® environments. This feature allows a system administrator to track jobs sent to the printer and receive detailed information on each job.
- ◆ 16 MB RAM standard; expandable to 24 MB or 32 MB with industry-standard SIMM upgrades.
- ◆ Multiple page sizes including 11" x 17" / A3.
- ◆ Document handling features include page layout (number-up), booklet, and background printing.
- ◆ Optional duplex and tumble duplex capabilities.
- ◆ Selectable offset stacking of printed output.
- ◆ Emulation Sensing Processor (ESP†) technology, which works with most popular commercially-available applications, analyzes incoming data streams from any of the printer's interfaces and selects the appropriate language from those installed on the printer.
- ◆ Simultaneous Interface Operation (SIO) allows the printer's standard and optional interfaces to receive data simultaneously.
- ◆ SCSI connections support additional hard disks for increased spooling, file storage, and font caching capabilities and expanded virtual memory.
- ◆ Soft loadable firmware allows convenient addition of new capabilities and upgrades.
- ◆ Strong paper handling features, high duty cycle, 32 page-per-minute print speed, and large paper capacities make this an ideal departmental printer that can easily accommodate 50 to 100 users.
- ◆ Optional interface cards provide direct Ethernet® connectivity for DECnet®, TCP/IP, EtherTalk™, or NetWare® protocols. A Token-Ring interface also supports the NetWare or TCP/IP protocol.

Technical Specifications

PRINT ENGINE

- ◆ **Print Method** – Electrophotographic recording with semiconductor laser. Dry toner, image transfer to paper.
- ◆ **Resolution** – 300 x 300 dpi or 400 x 400 dpi (PostScript and HP-GL emulations only); selectable through the printer's keypad or via software commands.
- ◆ **Print Speed** – 32 pages per minute.
- ◆ **Warm-up Time** – Less than 120 seconds.
- ◆ **Recommended Duty Cycle** – 150,000 to a maximum of 200,000 prints per month.

CONTROLLER

- ◆ **Type** – Based on MIPS® R3000 architecture, IDT 3081E RISC processor operating at 33 MHz and using QMS Crown™ advanced document processing technology.
- ◆ **Memory** – 16 MB RAM, 4 MB ROM standard. Expandable to a total of 32 MB through SIMMs in 8 MB increments. RAM is user-configurable.
- ◆ **Floppy Drive** – 1.44 MB, 3.5 inch (88.91 mm) floppy drive allows users to download fonts, emulations, and/or system upgrades into printer's RAM, the internal hard disk, or onto optional hard disks.
- ◆ **Standard Internal 40 MB Hard Drive** – Enables local or remote loading of printer software, allowing easy loading of software upgrades without requiring physical access to the controller.
- ◆ **External Hard Drives (optional)** – Provide permanent storage of downloadable typefaces and emulations. Up to six external hard drives can be daisy chained to the printer's SCSI connection.
- ◆ **Printer Emulations** – PostScript Level 1, PostScript Level 2, HP PCL Level 5, HP-GL® 7475A / 7550A / 7470 / ColorPro, CCITT Group 4, and line printer. Optional LN03™ Plus emulation (provided with the multiprotocol DECnet-TCP/IP interface option) is available. QUIC™ II emulation is scheduled for future availability.
- ◆ **Graphics** – Up to full ledger / A3-size bitmapped page (both sides if duplexing option is installed).
- ◆ **Typefaces** – 39 resident typefaces for PostScript language printing. Adobe's PostScript Type 1 downloadable typefaces are supported. All typefaces have multilingual character sets. PCL 5 fonts compatible with the standard fonts on the HP LaserJet III/IIi are also included on the QMS 3225 Print System.

INTERFACES

- ◆ **Standard Interfaces** – LocalTalk™, RS-232C serial, and a parallel interface configurable as either Centronics® or Dataproducts® short line parallel.
- ◆ **Simultaneous Interface Operation** – Allows all of the printer's standard interfaces, along with an optional interface, to receive data simultaneously.
- ◆ **Optional Interfaces** – Provide direct connectivity to Ethernet® supporting DECnet and TCP/IP protocols concurrently, or any one of the following protocols: TCP/IP, EtherTalk, or NetWare. Token-Ring connectivity is also available for the NetWare or TCP/IP protocol.

PAPER HANDLING

- ◆ **Paper Sizes Supported** – Letter, legal, ledger, A4, A3, A5, B4, B5, and executive.
- ◆ **Printable Area** – Actual maximum print area for all page sizes is 8 mm in from all edges.
- ◆ **Special Stocks** – Printer can handle approved transparency film and paper in letter, legal, ledger, A4, A3, and B5 sizes.
- ◆ **Paper Weights** – 18 to 24 lbs. (68 to 90 g / m²).
- ◆ **Paper Input** – Cut-sheet paper or transparency film from two cassettes (250 sheets each) for a total of 500 sheets.
- ◆ **Paper Output** – 1,500 sheets maximum, face down; Offset stacking is supported.
- ◆ **Page Error Recovery** – Printer automatically reprints jammed pages.
- ◆ **Advanced Paper Handling Option** – Includes a duplexing unit, a 1,000-sheet feeder that increases the printer's paper capacity to 1,500 sheets, and a system table. Legal is the maximum page size supported by the optional feeder.

PHYSICAL

- ◆ **Type** – Laser printer with internal controller.
- ◆ **Dimensions** – (W x D x H)
37.4" x 25.8" x 29.5"
(950 mm x 645 mm x 750 mm)

With advanced paper handling option
37.4" x 25.8" x 49.6"
(950 mm x 645 mm x 1260 mm)
- ◆ **Weight** – 187 lbs. (85 kg).
With advanced paper handling option
330 lbs. (150 kg).

ELECTRICAL

- ◆ **Power Requirements** – 85 to 135 VAC or 187 to 264 VAC; 43/63 Hz or 47/53 Hz.
- ◆ **Power Consumption** –
100V: 1,400 WATTS @ 12 amps
200V: 1,400 WATTS @ 7 amps

ENVIRONMENT

- ◆ **Temperature Requirements** –
Operating: 50° to 90° F (10° to 32° C)
Storage: -4° to 131° F (-20° to 55° C)
- ◆ **Humidity** – 20% to 80% RH (operating).
- ◆ **Noise Level** – Not more than 55 dB (A).

REGULATORY/SAFETY CONFORMITY

- ◆ FCC-A, TUV/GS, UL, CSA and VFG 1046.

39 RESIDENT TYPEFACES

Courier®
Helvetica®
Helvetica Condensed®
Helvetica Narrow®
ITC Avant Garde® Gothic Book®
ITC Bookman® Light®
New Century Schoolbook®
Palatino®
ITC Zapf Chancery® Medium Italic
â/Y&C® (Symbol Set)
Times®

⌘⌘⌘⌘⌘⌘ (ITC Zapf Dingbats®)

*Includes Regular, Italic, Bold, and Bold Italic type styles.



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Specifications subject to change without notification.

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† Patent Pending. ESP is designed to work with most mainstream applications.

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